

# JOHNSON UTILITIES COMPANY



0000019744

5230 East Shea Boulevard \* Scottsdale, Arizona 85254  
PH: (480) 998-3300; FAX (480) 443-7908

ORIGINAL

2005 MAY 20 P 4: 50

May 20, 2005

Brian Bozzo, Compliance Manager  
Utilities Division  
Arizona Corporation Commission  
1200 W. Washington Street  
Phoenix, Arizona 85007

AZ CORP COMMISSION  
DOCUMENT CONTROL

Arizona Corporation Commission  
**DOCKETED**

MAY 20 2005

DOCKETED BY	<i>KM</i>
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RE: Johnson Utilities Company: Compliance with Decision No. 65840, 64062  
Annual Wastewater Compliance with ADEQ regulations  
ACC Docket Nos.: WS-02987A-99-0583; WS-02987A-00-0618; W-02234A-00-0371;  
W-02859A-00-0774; W-01395A-00-0784

Dear Mr. Bozzo:

Pursuant to Commission Decision No. 64062 (October 4, 2001), as amended by Decision No. 65840 (April 22, 2003), Johnson Utilities Company (Johnson Utilities) hereby submits this compliance filing in accordance with the Commission's orders in the above-referenced matter. Enclosed please find the Arizona Department of Environmental Quality (ADEQ) Summary of Inspection for Pecan Ranch WRP attached hereto as Attachment No. 1 and Section 11 WRP attached hereto as Attachment No. 2.

The Pecan Ranch WRP Summary of Inspection reports Johnson Utilities out of compliance for not meeting the permitting requirements of the Aquifer Protection Permit ("APP"), for which ADEQ issued a Notice of Violation (NOV) on April 28, 2005. A copy of Johnson Utilities' response to the NOV along with a letter from ADEQ closing the NOV is attached hereto as Attachment No. 3.

The Section 11 WRP Summary of Inspection also reports Johnson Utilities out of compliance for not meeting the permitting requirements of the APP, for which ADEQ issued a NOV on January 3, 2005. A copy of Johnson Utilities' response to the NOV along with a letter from ADEQ closing the NOV is attached hereto as Attachment No. 4.

Johnson Utilities is currently waiting for ADEQ wastewater compliance status report letters. Johnson first requested the wastewater compliance status reports on April 8, 2005 for both the Pecan Ranch WRP and the Section 11 WRP. ADEQ was unable to locate 1<sup>st</sup> quarter Self Monitoring Report Forms (SMRF's) for either water reclamation plant. The SMRF's were actually submitted to ADEQ on April 8, 2005. ADEQ accepted the SMRF's on April 8, 2005 as confirmed by two transmittals from Specific Engineering attached hereto as Attachment No. 5. A request from ADEQ to resubmit the SMRF's was received by Johnson on May 12, 2005. Johnson Utilities re-submitted the SMRFs the same day, as requested, on May 12, 2005, as confirmed by another transmittal from Specific Engineering attached hereto as Attachment No. 6.

# ***JOHNSON UTILITIES COMPANY L.L.C***

5230 East Shea Boulevard \* Scottsdale, Arizona 85254

PH: (480) 998-3300; FAX: (480) 483-7908

Johnson has been diligently working with ADEQ to obtain the wastewater compliance status reports since April 8, 2005, and will continue to do so. Due to the unforeseen circumstance mentioned above, Johnson Utilities is requesting an extension on the current compliance deadline of May 21, 2005. The extension will give ADEQ some additional time to complete their review of the Johnson files. ADEQ will complete their review of the SMRFs and issue the compliance letters for both the Section 11 WRP and the Pecan WRP within the next week. Should you have any questions, please do not hesitate to contact me. Thank you for your time and consideration in this matter.

Sincerely



Daniel Hodges  
Johnson Utilities, LLC

Enclosure

Cc: Brian Tompsett, Johnson Utilities (w/out enc.)  
Ernest Johnson, Director- (w/enc.)  
Docket Control (w/enc.)

# **Attachment 1**

ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY  
WATER QUALITY DIVISION - WATER QUALITY COMPLIANCE SECTION  
Field Services Unit

SUMMARY OF INSPECTION - WASTEWATER

Facility: Pecan Ranch WRP

Inventory No: 105324

Aquifer Protection Permit (APP) No: P105324

AZPDES Permit No: N/A

Reuse Permit No: R105491

Place ID: 18583

Inspected by: William J. Hare, E.P.S.

Inspection Date: March 30, 2005

Accompanied by: Tom Moulton -Operator  
Gary Larsen - Operations Manager  
Greg Brown, P.E.

Report Date: April 28, 2005

YES NO N/A UNKNOWN

1. WWTF quality meets the following permit requirements:
  - A. Aquifer Protection Permit
  - B. Reuse Permit
  - C. AZPDES Permit
2. A certified operator is employed by the owner per ADEQ regulations.
3. This system meets ADEQ requirements for operation and maintenance as noted in the APP

	X*		
X			
		X	
X			
X**			

\* The facility had numerous exceedances of Fecal Coliform in effluent monitoring during the last six months of 2004 for the 3<sup>rd</sup> and 4<sup>th</sup> quarters of 2004.

\*\* At the time of the inspection, the WRP was found to be operating effectively during recent weeks.

Facility Description:

The Pecan Water Reclamation Plant (WRP) Phase I, has the capacity to collect and treat a maximum average monthly flow of 999,998 gallons per day (g.p.d) of wastewater from an ADEQ approved service area. The total planned capacity at build-out of the WRP is 4.0 million gallons per day (MGD). The WRP treatment process consists of an influent lift station, headworks with barscreen, extended aeration with nitrification-denitrification, clarifiers, filters, ultraviolet (UV) disinfection, sludge digesters, sludge dewatering belt filter press, and an effluent pump station. All the WRP units are constructed of either reinforced concrete or steel. All the odor and noise producing units which include the headworks, the extended aeration process

including the blower room, and the sludge dewatering belt filter press are enclosed inside a metal building with odor control scrubbers installed on all vents. The entire WRP is surrounded by an aesthetic, 6 foot tall, chain link fence and block wall. All the effluent generated is discharged for reuse as regulated under valid Reclaimed Water Reuse Permits. All of the sludge, including the screenings, grit, and scum, is hauled off site for proper disposal at an approved landfill. Depth to groundwater at the WRP site is approximately 377 feet and the direction of groundwater flow is to the northwest.

The WRP produces reclaimed water meeting Class A+ Reclaimed Water Standards (A.A.C. R18-11, Article 3) and may be delivered for beneficial use under a valid reclaimed water permit under A.A.C. R18-9 Article 7. The average monthly flow is limited to 998,998 g.p.d.

### INSPECTION PURPOSE AND SCOPE

The purpose of the site visit was to inspect the Pecan Ranch WRP and determine the compliance status of the facility regarding the Aquifer Protection Permit and Reuse Permit issued to the facility by ADEQ.

#### Pre-inspection File Review, for P105324, LTF No. 29510

The pre-inspection file review was conducted on March 29, 2005 and indicated numerous Aquifer Protection Permit (APP) exceedances for Fecal Coliform in effluent monitoring that occurred during the 3<sup>rd</sup> and 4<sup>th</sup> quarters of 2004. **The facility exceeded the Fecal Coliform limit of 23 c.f.u. per 100 ml for effluent monitoring on 44 occasions during the 3<sup>rd</sup> quarter and 20 occasions during the 4<sup>th</sup> quarter of 2004.** The exceedances meet ADEQ's criteria for significant non compliance (SNC) and are violations of the APP.

Johnson Utilities (JU) Vice President Brian Tompsett had sent a letter to ADEQ to explain the cause(s) of the above noted exceedances. The letter was dated January 21, 2005 and cited several equipment adjustments and an infestation of red worms as a cause for the compliance problems with Fecal Coliform effluent monitoring.

The facility had failed to conduct turbidity monitoring during the 3<sup>rd</sup> and 4<sup>th</sup> quarters of 2004. The turbidity monitoring device was not operational until January of 2005. The device had been in place at the site, but needed some work before it became operational during early January of 2005.

The file review also included a review of the monitoring data for the 1<sup>st</sup> quarter of 2005 that was provided by Johnson Utilities personnel during at the time of the inspection. This review indicated that the facility was in compliance with effluent monitoring for the months of January – March of 2005. This includes both Fecal Coliform and turbidity effluent monitoring.

Summary of Field Observations:

The following comments are based on observations made by WQFSU staff during the inspection and information furnished by the operator:

APP Inspection, LTF No. 29510

General Observations and Flow rates

(1) The Pecan WRP began receiving wastewater during May of 2004 but did not discharge any effluent until July of 2004. From May to July 2004 the WRP was discharging wastewater to the Section 11 WWTP permitted in P103081.

(2) The facility noted that some operational and personnel changes were implemented during November and December of 2004. These changes were implemented to improve the overall compliance status of the WRP. Two new operators were hired and two previously employed operators were terminated. The changes also included operational adjustments for the WRP to improve the performance of the AeroMod wastewater treatment plant (WWTP). The operational control adjustments implemented by the supervisory operator, Tom Moulton significantly improved the performance of the WWTP.

(3) The inspection noted that the flow rate of influent into the WWTP has averaged 373,000 g.p.d. during March of 2005. This includes influent from the area previously served by the Meadow Vista and Links WWTPs. The Meadow Vista and Links WWTP previously served the subdivisions of Los Praderas, Cambria, Castlegate and the Links. In addition, there are several subdivisions still in the early phases of development that contribute flows into the Pecan WRP. The facility provided flow rate information as noted below:

- 585 residential service connections from the Castlegate subdivision (previously served by the Links WWTP, but currently connected to the Pecan WRP).
- 271 residential service connections from the Moon Shadow subdivision (previously the Meadow Vista WWTP).
- 91 residential service connections from the Vineyard Estates subdivisions.
- 441 additional residential hookups from numerous subdivisions in the early stages of development including Pecan Creek, Trail Side, Desert Spring, The Villages, Sunrise Parcel 6, Scott Communities and The Orchards.
- 150,000 gallons per day of partially treated sewage from the Links Estates WWTP (exact number of hookups is not known because the area is still controlled by Federal Bankruptcy Court). This includes wastewater from the Links Estates and the Cambria subdivisions.

The total number of residential hookups at the Pecan WRP is 1,431, excluding the flow from the Links WWTP. The facility utilizes a magnetic flow meter (MAG meter) for influent and effluent measurements. Peak influent flows have been as high as 718,000 g.p.d. on January 3, 2005 and 676,000 g.p.d. on February 13, 2005. The facility currently has two significant amendments

pending processing by ADEQ's Water Permits Section. One of the amendments includes the expansion of the WRP from 1.0 to 2.0 MGD. The second amendment addresses the recharge of treated effluent into several vadose zone injection wells that will be constructed near the pecan orchard.

Inspection of WRP:

- (1) The headworks components were functioning adequately, including the air scrubber mechanism. The headworks and sludge belt press components are currently covered with an air scrubber device. The device utilizes potassium permanganate granules and was effectively eliminating septic odors before air is discharged from the headworks building. No septic odors were detected outside the building area and nearby surrounding residential area.
- (2) The operational components of the WWTP were inspected and no deficiencies were noted. The inspection found the aeration cells, anoxic cells and digesters to be functioning well. In addition, the clarifier(s) and sand filter were also found to be functioning very well. The "Hach" turbidity device was reading 0.4 NTU at the time of the inspection. The facilities UV disinfection component was also functioning adequately at the time of the inspection. Effluent quality from the sand filter was very good. The operator advised that the sand filter had previously experienced operational problems that were corrected during December of 2004. The problems were caused because the filter had been previously utilized by another utility and needed various repairs.
- (3) Both of the influent wetwell liftstation motors were being replaced. The facility was utilizing a portable pumping equipment to pump influent from the wetwell into the headworks.
- (4) The inspection noted that the two adjacent unlined storage ponds located next to the pecan orchard both contained effluent. Effluent was also being pumped to the nearby eight acres of pecan trees for irrigation. The anticipated 1.0 MGD expansion of the WRP will take place where the referenced effluent storage ponds are currently located. The facility intends to construct 3-4 vadose zone injection wells, pending the approval from ADEQ's WPS and the Arizona Department of Water Resources (ADWR).

Onsite Monitoring well

The inspection noted the presence of a 400 foot deep groundwater monitoring well located at the far northeast corner of the property. The well will be utilized to monitor the aquifer for various constituents after a recharge project is approved by ADWR/ADEQ. The current APP does not require groundwater monitoring.

Compliance Schedule , LTF No. 29510

The APP contains a compliance schedule in Section 3.0. The permit requires that documentation be provided to verify that there is sufficient disposal capacity to discharge flows greater than 0.5 MGD. On June 17, 2004, the facility submitted a letter to ADEQ's Water Permits Section satisfying this requirement. In addition, the facility has retained the services of Specific Engineering, LLC to prepare documentation to amend the APP No. P105324. The pending

amendment request the construction of several injection wells to enhance effluent disposal options. JU was found to be in compliance with the APP compliance schedule.

Type 2 Reclaimed Water General Permit, R105491

The inspection noted that the pecan tree orchard was being irrigated with treated effluent. The area was fenced and bermed to prevent any runoff of effluent. No runoff was noted. The reclaimed water permit was issued on May 21, 2004.

Findings:

The inspection found that the facility had experienced numerous exceedances in Fecal Coliform monitoring during the 3<sup>rd</sup> and 4<sup>th</sup> quarters of 2004. The facility hired an experienced operator in late November of 2004, who has since made several operational control changes at the WRP. These changes have greatly improved the overall operation of the WRP. At the time of the inspection, the facility was producing excellent quality effluent with a turbidity reading of 0.40 NTU. The inspection found the facility to be well operated and maintained during recent months, since the operational and personnel changes have been implemented.

Compliance Summary

**1. Aquifer Protection Permit (APP).** The APP requires daily monitoring for flow, Fecal Coliform and Turbidity and quarterly testing for thirteen metals and annual testing for volatile organic compounds (VOCs). Operational monitoring is also required on a daily basis. The SMRFs for the 2<sup>nd</sup>, 3<sup>rd</sup> and 4<sup>th</sup> quarters of 2004 have been submitted to ADEQ. The facility experienced numerous exceedances for Fecal Coliform monitoring during the 3<sup>rd</sup> and 4<sup>th</sup> quarters of 2004. **Rating: Non Compliance**

**2. Operator Certification Requirements.** This facility is rated as a Grade 1 WWT and a Grade 2 WWC wastewater treatment facility. Tom Moulton is the onsite operator who is certified by ADEQ both as a Grade 4 WWT and a Grade 4 WWC  
**Rating: Compliance**

**3. Operation & Maintenance (O&M) Requirements.** The inspection found the WRP to be performing very well at the time of the inspection. The various components including the motors and blowers were functioning adequately. **Rating: Compliance.**

**END OF REPORT**





Janet Napolitano  
Governor

# ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY

1110 West Washington Street Phoenix, Arizona 85007  
(602) 771-2300 www.adeq.state.az.us



Stephen A. Owens  
Director

CERTIFIED MAIL  
Return Receipt Requested

Case ID #: 34567

April 28, 2005

Johnson International Inc  
Attention: Brian Tompsett  
5230 E Shea Blvd Ste 200  
Scottsdale, AZ 85254-5750

Subject: Pecan Water Reclamation Plant, 18583  
28539 N Gantzel Rd / Queen Creek, AZ 85242

## NOTICE OF VIOLATION

The Arizona Department of Environmental Quality (ADEQ), has reason to believe that Johnson International Inc as the owner/operator of Pecan Water Reclamation Plant, has violated a requirement of the Arizona Revised Statutes (A.R.S.), a rule within the Arizona Administrative Code (A.A.C.), or an applicable permit/license, administrative order or civil judgment. ADEQ discovered the violations alleged below during an inspection completed on March 30, 2005.

### I. LEGAL AUTHORITY and NATURE OF ALLEGED VIOLATION(S)

#### **1. Permit 29510 (P105324) - 4**

**Table 1 limits the single sample daily maximum for Fecal Coliform effluent monitoring to 23 c.f.u./100ml.**

The facility exceeded the single sample Fecal Coliform daily maximum on 44 occasions during the 3rd quarter of 2004 and twenty occasions during the 4th quarter of 2004.

#### **2. Permit 29510 (P105324) - 4**

**Table 1 requires turbidity effluent monitoring on a daily basis.**

The facility failed to conduct turbidity monitoring during the 3rd and 4th quarters of 2004.

### II. DOCUMENTING COMPLIANCE

1. Within 60 calendar days of receipt of this Notice, please submit documentation that the violation(s) never occurred, or submit an explanation of the efforts undertaken by the utility to prevent a reoccurrence of the exceedances in effluent monitoring for Fecal Coliform. In addition, include an explanation for the failure conduct turbidity monitoimg during the 3rd and 4th quarters of 2004.

Northern Regional Office  
1515 East Cedar Avenue Suite F Flagstaff, AZ 86004  
(928) 779-0313

Southern Regional Office  
400 West Congress Street Suite 433 Tucson, AZ 85701  
(520) 628-6733

Printed on recycled paper

### **III. SUBMITTING COMPLIANCE DOCUMENTATION**

Please send all compliance documentation and any other written correspondence regarding this Notice to ADEQ at the following address:

Arizona Department of Environmental Quality, Attention: William J. (Bill) Hare, Water Quality Field Service Compliance Unit, 1110 W Washington St, Phoenix, AZ 85007 MC: 5415B-1

### **IV. STATEMENT OF CONSEQUENCES**

1. The time frames within this Notice for achieving and documenting compliance are firm limits. Failure to achieve or document compliance within the time frames established in this Notice will result in an administrative compliance order or civil action requiring compliance within a reasonable time frame, substantial civil penalties, and/or the suspension or revocation of an applicable permit/license. ADEQ will agree to extend the time frames only in a compliance schedule negotiated in the context of an administrative consent order or civil consent judgment.
2. Achieving compliance does not preclude ADEQ from seeking civil penalties, and/or suspending or revoking an applicable permit/license for the violation(s) alleged in this Notice as allowed by law.

### **V. OFFER TO MEET**

ADEQ is willing to meet regarding this Notice. To obtain additional information about this Notice or to schedule a meeting to discuss this Notice, please contact William J. (Bill) Hare at (602) 771-4838.

  
Romann G. Diaz, Manager  
Water Quality Field Service Compliance Unit

  
William J. (Bill) Hare  
Water Quality Field Service Compliance Unit

# **Attachment 2**

**ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY  
WATER QUALITY DIVISION - WATER QUALITY COMPLIANCE SECTION  
Field Services Unit**

**SUMMARY OF INSPECTION - WASTEWATER**

**Facility:** Section 11 WWTP

**Place ID No:** 142

**Aquifer Protection Permit:** P103081

**AZPDES Permit No:** N/A

**Reuse Permit No:** Type 3 General Permit, R105412

**Inventory No:** 103081

**Inspected by:** William J. Hare, E.P.S.

**Inspection Date:** October 27, 2004

**Accompanied by:** Gary Bamber, Gary Larsen  
Greg Brown, Jerry Beeler

**Report Date:** January 3, 2005

YES   NO   N/A   UNKNOWN

1. WWTF quality meets the following permit requirements:
  - A. Aquifer Protection Permit
  - B. Reuse Permit
  - C. AZPDES Permit
2. A certified operator is employed by the owner per ADEQ regulations.
3. This system meets APP permit requirements for operation and maintenance.

	X*		
		X	
		X	
X			
X			

\*The NOV previously issued in September 2004 remains open. The referenced NOV was issued for numerous exceedances in effluent monitoring for Fecal Coliform and Total Nitrogen. In addition, a new NOV is being issued for the continued exceedances in effluent monitoring for Fecal Coliform.

**Inspection Purpose and Scope:**

This was the annual inspection to determine compliance with the existing APP and Reuse Permits.

**Facility Description:**

The Johnson Utilities Section 11 WWTP is located adjacent to Hunt Highway, approximately nine miles southeast of Queen Creek. The WWTP has the capacity to collect and treat up to a maximum monthly average flow of 1.6 million gallons per day flow (MGD) of wastewater received from residences and small businesses located in the central and southern portions of the Johnson Utilities service area. The treatment process consists of a headworks with a bar screen, a

flow splitter box, four aerated lagoons, 32 wetland cells, liquid chlorine disinfection and an effluent pump station. All of the lagoons and 32 wetland cells of the WWTP have a permeability of less than 550 gallons per day per acre. The WWTP process employs nitrification-denitrification to achieve an effluent Total Nitrogen level of 10 mg/L and chlorine disinfection.

General Information and Observations:

The monthly average for influent daily flow rates has ranged from 500,000 – 550,000 g.p.d in recent months. Peak flows have exceeded 800,000 g.p.d. The effluent is currently being discharged to the nine hole Oasis Golf Course as authorized in the Type 3 Reclaimed Water General Permit. On rainy days in the winter months, some effluent is discharged into one of the recharge basins. About 95% of the effluent is being discharged to irrigate the Oasis Golf Course, located close to the WWTP. Only one of the four recharge basins contained any effluent.

The facility reported that there are about 6,900 homes connected to the sewer system as of October 26, 2004. This includes homes from the San Tan Heights Community and homes from the Copper Basin Community. Both San Tan and Copper Basin communities will eventually have their own WWTPs. Influent flows to a common vault, where it is pumped to the Section 11 WWTP. A 1.0 MGD WWTP is being constructed at the San Tan Community area. Construction of the Copper Basin WWTP is currently underway. The facility currently has a design capacity of 1.6 million gallons per day (MGD). The Arizona Corporation Commission (ACC) has issued a Certificate of Convenience and Necessity (CCN) for this utility that authorizes the treatment of up to 2.4 MGD of wastewater within in the service area of the WWTP.

The inspection of the aerated lagoons did not reveal any deficiencies. The water level was about 7 feet deep with 3 feet of freeboard. The color of the lagoons was good. No septic odors were present. All of the aerators were reported to be functional. The dissolved oxygen (DO) levels in the aerated lagoons were reported to range from 6-8 mg/L.

The 16 wetland cells were also inspected and found to be functioning adequately. The water level was adequate. Some of the wetland cells had been previously burned to remove dead vegetation. These cells were experiencing re-growth. The short circuiting of the wetland cells, which caused excessive water levels in some areas, appears to have been corrected. This short circuiting hampered the denitrification process.

The chlorine contact chamber (CCA) appeared to be functioning adequately. The piping for the delivery of the liquid chlorine was replaced last month, after it was found to be restricted with (crystallized) sodium hypochlorite. This was causing high levels of Fecal Coliform in the effluent that is being delivered to the Oasis Golf Course.

APP Inspection, LTF No. 24069

Previously issued NOV

On September 2, 2004, ADEQ issued a Notice of Violation (NOV), Case ID No. 32021, to Johnson Utilities for various exceedances that occurred in the 4<sup>th</sup> quarter of 2003, the 1<sup>st</sup> quarter

of 2004 and the 2<sup>nd</sup> quarter of 2004. The facility experienced numerous exceedances for effluent monitoring during the aforementioned quarters. The exceedances entailed 58 occasions when the effluent was less than 1600 c.f.u./100ml during the 2<sup>nd</sup> quarter of 2004. In addition, the facility had several exceedances in Total Nitrogen levels for the effluent that occurred during the 4<sup>th</sup> quarter 2003 and the 1<sup>st</sup> and 2<sup>nd</sup> quarters of 2004. The referenced NOV also included violations of the contingency requirements of the APP, which required verification sampling. No verification sampling had been conducted for the aforementioned violations.

On September 10, 2004, Johnson Utilities (JU) issued a written response to the aforementioned violations explaining operational difficulties and intervention and preventative measures implemented to correct the problems. In addition, ADEQ had received verbal explanations from the operator addressing the violations. According to the operator, the Fecal Coliform exceedances were partially caused by a blockage in the liquid chlorine tubing to the chlorine contact chamber and a large chlorine demand from an algae bloom in the various wetland cells. JU's written response to the NOV advised that the Total Nitrogen exceedances were caused by flow distribution problems in the wetland cells. The flow distribution problems caused short circuiting of the effluent in the wetland cells. The written response indicated that the problem(s) had been corrected.

#### Current Inspection

##### (1) Effluent monitoring

The inspection entailed an examination of the most recent data from the 3<sup>rd</sup> quarter of 2004. This examination indicated that the facility had exceeded the Fecal Coliform limit for effluent monitoring on 29 occasions. Twentyeight of these exceedances were greater than 1,600 c.f.u./100ml. The exact cause of the exceedances apparently is not known. The blockage in the liquid chlorine line has reportedly been repaired and the tubing redesigned and the problem is believed to have been eliminated. A pattern appeared to exist during the month of September 2004, when exceedances mostly occurred during the weekends. A number of factors are being considered and investigated, including sampling error (cross contamination) and chlorine demand during certain times caused by algae blooms in the wetland cells. The frequency and magnitude of the exceedances 'triggers' ADEQ's significant non compliance policy and a new Notice of Violation (NOV) will be issued for these continuing and uncorrected violations.

Total Nitrogen monitoring for the 3<sup>rd</sup> quarter of 2004 did not reveal any exceedances. The effluent monitoring for Total Nitrogen ranged from 6-8 mg/L. The header piping for the effluent distribution to the 16 wetland cells has been cleaned and more evenly distributed to enhance the denitrification process.

The examination of the SMRFs revealed some missing data for five volatile organic compounds (VOCs) from the 2<sup>nd</sup> quarter of 2004. The data was not provided in the initial submission of the SMRFs because the laboratory had not completed the analysis. This data was provided at the time of the inspection and amended SMRFs will be provided to ADEQ in the ensuing days.

(2) Groundwater monitoring

Ground water monitoring for the various constituents did not reveal any deficiencies. However a laboratory reporting error was noted in that testing for Total Coliform was being reported as < 2 c.f.u./100ml. The permit requires the absence or presence of Total Coliform. During the inspection, the laboratory being utilized by JU, Aquatic Labs, was contacted and informed of the error. Future SMRFs will reflect absence or presence of Total Coliform. A test showing the presence of Total Coliform will require a retest for Fecal Coliform. The absence of Fecal Coliform in the retest will negate any compliance issues. The groundwater monitoring well was reported to have static water levels at 340 feet in recent months.

Reuse Inspection, LTF No. 31083, Permit No. R105412

On October 1, 2003, ADEQ's Water Permits Section issued a Type 3 Reclaimed Water General Permit (Agent) authorizing the facility to irrigate several sites with Class B+ reclaimed water generated by the Section 11 WWTP. This Type 3 Reclaimed Water General Permit authorization supersedes the individual reclaimed wastewater reuse permit previously issued to JU on September 2, 1998 under file No. R103081. The monitoring requirements in the old reuse permit have been incorporated in the APP P103081.

The end users listed in the referenced Reclaimed Water General Permit include the Oasis Golf Course located at 5764 Hunt Highway, Florence, AZ. JU reported during the inspection that effluent has been discharged to the Oasis Golf Course and no other sites. The nine hole golf course at Oasis utilizes most of the effluent being generated by the WWTP. JU was in compliance with the operational irrigation practices at Oasis Golf Course.

The referenced permit requires an annual report on water consumption rates to the various reuse sites. This report is due to ADEQ by the end of the 2004 calendar year.

Compliance Summary:

**(1) Monitoring and Reporting Requirements.**

(a) The APP No. P103081 requires daily monitoring of the influent for pH and flow. Effluent monitoring is required when discharges occur from the effluent pump station. Effluent is monitored daily for Fecal Coliform, monthly for Total Nitrogen, and quarterly for heavy metals and VOCs. Groundwater monitoring is required monthly for the water level within the well and Total Nitrogen and quarterly for heavy metals and VOCs. The facility experienced numerous violations of the APP monitoring during the 4<sup>th</sup> quarter of 2003 and the 1<sup>st</sup> and 2<sup>nd</sup> quarters of 2004. An NOV was previously issued for these violations. In addition, the facility experienced 29 exceedances during the 3<sup>rd</sup> quarter of 2004 and a new NOV is being issued for those violations.

**Rating: Non Compliance.**

(b) The APP also has a compliance schedule which requires the submission of plans and drawings for a new POC well. This requirement was completed. The Compliance Schedule also

requires the submission of an annual report during 2003 which addresses the effect of Nitrogen on the groundwater from the Recharge Project. This has been accomplished.

**Rating: Compliance**

(c) Groundwater monitoring is also required. No violations were noted during the review of the groundwater monitoring data. **Rating: Compliance**

(d) Type 3 Reclaimed Water General Permit- The monitoring requirements for reclaimed water have been incorporated in the APP. However, an annual report is due to ADEQ. The report should address the total volume of reclaimed water delivered to the reuse sites. No deficiencies were noted regarding this inspection of this permit. **Rating: Compliance.**

**2. Operator Certification Requirements.** The WWTF is classified as a Class 2 WWTF and the collection system is classified as a Class 2 Collection System. The operator, Gary Bamber, holds a Grade 4 WWT and a Grade 3 WWC license issued by ADEQ.

**Rating: Compliance**

**3. Operation & Maintenance (O&M) Requirements.** The facility was in compliance with the operational requirements noted in the APP including freeboard for the ponds and water depth in the wetland cells. **Rating: Compliance**

**END OF REPORT**





Janet Napolitano  
Governor

# ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY

1110 West Washington Street Phoenix, Arizona 85007  
(602) 771-2300 www.adeq.state.az.us



Stephen A. Owens  
Director

CERTIFIED MAIL  
Return Receipt Requested

Case ID #: 33138

January 3, 2005

Johnson International Inc  
Attention: Brian Tompsett  
5230 E Shea Blvd Ste 200  
Scottsdale, AZ 85254-5750

Subject: Mgd Precision Golf Course Wwtp, 142  
1877 E Bella Vista Rd / Queen Creek, AZ 85242

## NOTICE OF VIOLATION

The Arizona Department of Environmental Quality (ADEQ), has reason to believe that Johnson International Inc as the owner/operator of Mgd Precision Golf Course Wwtp, has violated a requirement of the Arizona Revised Statutes (A.R.S.), a rule within the Arizona Administrative Code (A.A.C.), or an applicable permit/license, administrative order or civil judgment. ADEQ discovered the violations alleged below during an inspection completed on October 27, 2004.

### I. LEGAL AUTHORITY and NATURE OF ALLEGED VIOLATION(S)

#### **1. Permit 24069 (P103081) - 4.0**

**The single sample maximum of fecal Coliform for effluent monitoring is 800 c.f.u./100ml.**

During the 3rd quarter of 2004 the facility exceeded the single sample maximum of fecal Coliform effluent monitoring on 29 occasions. Twenty eight of these exceedances were > 1,600 c.f.u./100ml

#### **2. Permit 24069 (P103081) - 4.0**

**The Fecal Coliform limit for the four out of seven samples for weekly monitoring is 200 c.f.u.**

During the weeks commencing on July 1, 2004, July 8, 2004 and July 29, 2004 the facility exceeded the Discharge Limit for effluent monitoring of 200 c.f.u. on at least four or more occasions.

### II. DOCUMENTING COMPLIANCE

1. Within 60 calendar days of receipt of this Notice, please submit documentation that the violation(s) never occurred, or the results of the investigative inquiry regarding the cause of the fecal Coliform exceedances and most recent results effluent sampling.

Northern Regional Office  
1515 East Cedar Avenue Suite F Flagstaff, AZ 86004  
(928) 779-0313

Southern Regional Office  
400 West Congress Street Suite 433 Tucson, AZ 85701  
(520) 628-6733

Printed on recycled paper

### III. SUBMITTING COMPLIANCE DOCUMENTATION

Please send all compliance documentation and any other written correspondence regarding this Notice to ADEQ at the following address:

Arizona Department of Environmental Quality, Attention: William J. (Bill) Hare, Water Quality Field Service Compliance Unit, 1110 W Washington St, Phoenix, AZ 85007 MC: 5415B-1

### IV. STATEMENT OF CONSEQUENCES

1. The time frames within this Notice for achieving and documenting compliance are firm limits. Failure to achieve or document compliance within the time frames established in this Notice will result in an administrative compliance order or civil action requiring compliance within a reasonable time frame, substantial civil penalties, and/or the suspension or revocation of an applicable permit/license. ADEQ will agree to extend the time frames only in a compliance schedule negotiated in the context of an administrative consent order or civil consent judgment.
2. Achieving compliance does not preclude ADEQ from seeking civil penalties, and/or suspending or revoking an applicable permit/license for the violation(s) alleged in this Notice as allowed by law.

### V. OFFER TO MEET

ADEQ is willing to meet regarding this Notice. To obtain additional information about this Notice or to schedule a meeting to discuss this Notice, please contact William J. (Bill) Hare at (602) 771-4838.

 for Romann Diaz  
Romann G. Diaz, Manager  
Water Quality Field Service Compliance Unit

  
William J. (Bill) Hare  
Water Quality Field Service Compliance Unit

# **Attachment 3**

# *JOHNSON UTILITIES COMPANY L.L.C*

5230 East Shea Boulevard \* Scottsdale, Arizona 85254

PH: (480) 998-3300; FAX: (480) 483-7908

May 6, 2005

William J. Hare

Water Quality Field Service Compliance Unit, MC 5415B-1

Arizona Department of Environmental Quality

1110 W. Washington Street

Phoenix, AZ 85007

RE: Pecan Wastewater Reclamation Plant  
Notice of Violation, Case ID #: 34567

Dear Mr. Hare:

On April 28, 2005, Arizona Department of Environmental Quality (ADEQ) issued Johnson International, Inc. a Notice of Violation (NOV), Case ID #:34567. The NOV was issued for violations at the Pecan Water Reclamation Plant operated by Johnson Utilities Company (JUC) under Aquifer Protection Permit, P-105324. The alleged violations were for exceedances of the daily maximum for fecal coliform on 44 occasions during the 3<sup>rd</sup> quarter of 2004 and 20 occasions during the 4<sup>th</sup> quarter and failure to conduct turbidity monitoring during the 3<sup>rd</sup> and 4<sup>th</sup> quarters of 2004. This letter serves as the documentation required in accordance with the Notice of Violation, Section II. Documenting Compliance, regarding implementation of procedures to prevent a reoccurrence of these violations.

During the 3<sup>rd</sup> quarter, the Pecan Wastewater Reclamation Plant was started to accept waste from the Arizona Utility Supply and Services at the request of ADEQ. Unfortunately the plant was under construction at this time. During startup the plant experienced operational upsets from an infestation of red worms to equipment adjustments. The plant was operated by Gerald E. Beeler, Arizona Certified Class 4 Operator ID # 00134. The 3<sup>rd</sup> quarter Self Monitoring Report Form (SMRF) reported the turbidity meter was under construction and fecal coliform exceedances. The fecal exceedances can be explained by the lack of proper sampling techniques to operational upsets of the plant during startup.

During the 4<sup>th</sup> quarter, the expectation of correcting the above problems was not met. As shown in the 4<sup>th</sup> quarter SMRF, the turbidity meter was still not installed and the plant continued to experience fecal coliform exceedances. However, there were no exceedances of fecal coliform in the month of December 2004. Because the problems were not corrected, on January 14, 2005, JUC replaced Mr. Beeler. The new plant operator is Thomas J. Moulton, Arizona Certified Class 4 Operator ID # 12111. All of these operational changes were explained in correspondence to ADEQ in a letter dated January 21, 2005. Never the less, the following additional tasks were taken to ensure compliance:

William J. Hare

May 6, 2005

Page 2 of 2

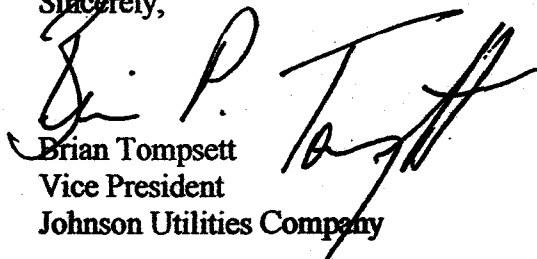
1. A 24 hour continuous recording turbidity meter was installed, operated, and tested during the week of 1/17/05. Page 1 of the 2005 1<sup>st</sup> quarter SMRF (attached) shows daily reporting of turbidity and demonstrates compliance with the discharge limit. Enteric Virus testing was started in January 2005 as a result of the turbidity meter not being operational. To date, JUC has received two test results which were negative. It takes approximately 90 days to complete this test.

2. Classes were held on the proper sampling technique for fecal coliform and a new sampling point was constructed. This task resulted in zero exceedances in December 2004 and the 1<sup>st</sup> quarter of 2005 as documented on pages 2 and 5 of the attached 2005 1<sup>st</sup> quarter SMRF for the single daily fecal coliform limit and non detect of 4 of the last 7 samples respectively.

It can be seen from the attached 2005 1<sup>st</sup> quarter SMRF's, that the implementation of the above tasks has resulted in a well operated and documented facility. We have every reason to believe that the facility will continue to be in full compliance.

It is my understanding that this documentation will result in the closure of the Notice of Violation, Case ID #: 34567. If you have any questions or comments, please contact me at 480 998-3300.

Sincerely,

  
Brian Tompsett  
Vice President  
Johnson Utilities Company

Enclosures: 2005 1<sup>st</sup> quarter SMRF, pages 1, 2, and 5  
Enteric Virus Test Results

# LEGEND

Technical Services, Inc.

www.legend-group.com

17631 N. 25th Avenue • Phoenix, AZ 85023

P (602) 324-6100 • F (602) 324-6101

4585 S. Palo Verde Rd., Ste. 423 • Tucson, AZ 85706

P (520) 327-1234 • F (520) 327-0518

ADHS#0004

Johnson Utilities Co., LLC

968 E. Hunt Hwy

Queen Creek AZ, 85242

Project: Enteric Virus Analysis

Project Number: Pecan Creek WWTP

Project Manager: Tom Multan

Reported:

03/28/05 14:11

#1 (5011175-01) Wastewater (Grab) Sampled: 01/26/05 09:30 Received: 01/26/05 16:00

Analyte	Result	RL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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## Microbiology

Enteric Viruses	<1.1	1.1 MPN/40 L	1	B503624	01/27/05	01/27/05	SM 9510		
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## Case Narrative:

**Holding Times:** All holding times were met unless otherwise qualified.

**QA/QC Criteria:** All analyses met method requirements unless otherwise qualified.

**Comments:** There were no problems encountered during the processing of the samples, unless otherwise noted.

## Notes and Definitions

Legend Technical Services of Arizona, Inc.

Client Services Representative

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

# LEGEND

Technical Services, Inc.

www.legend-group.com

17831 N. 26th Avenue • Phoenix, AZ 85023

P (602) 324-6100 • F (602) 324-6101

4585 S. Palo Verde Rd., Ste. 423 • Tucson, AZ 85706

P (520) 327-1234 • F (520) 327-0618

ADH8#0004

Johnson Utilities Co., LLC  
908 E. Hunt Hwy  
Queen Creek AZ, 85242

Project: Enteric Virus Analysis  
Project Number: Pecos Creek WWTP  
Project Manager: Gary Larson

Reported:  
05/06/05 08:36

#1 Virus (5020979-01) Wastewater (Grab) Sampled: 02/18/05 10:00 Received: 02/18/05 13:08

Analyte	Result	RL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
---------	--------	----	-------	----------	-------	----------	----------	--------	-------

## Microbiology

Enteric Viruses	<1.0	1.0MPN/40 L	1	B506113	02/18/05	02/18/05	SM 8810		
-----------------	------	-------------	---	---------	----------	----------	---------	--	--

#1 Swabs (5020979-02) Swab (Grab) Sampled: 02/18/05 10:55 Received: 02/18/05 13:08

Analyte	Result	RL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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## Microbiology

Iron Bacteria	Absent	1	PIA	1	B503220	02/22/05	02/22/05	Mod SM 9240B	
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#1 RL2 (5020979-03) Wastewater (Grab) Sampled: 02/18/05 10:55 Received: 02/18/05 13:08

Analyte	Result	RL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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## Inorganic Chemistry

Residual Chlorine	1.30	0.0500	mg/L	1	B502438	02/18/05	02/18/05	SM 4500 CL D	
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## Case Narrative:

**Holding Times:** All holding times were met unless otherwise qualified.  
**QA/QC Criteria:** All analyses met method requirements unless otherwise qualified.  
**Comments:** There were no problems encountered during the processing of the samples, unless otherwise noted.

## Notes and Definitions

M1 Matrix spike recovery was high, the method control sample recovery was acceptable.

Legend Technical Services of Arizona, Inc.

Client Services Representative

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

# SELF MONITORING REPORT FORM

## ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY

Facility Name: <u>PECAN WATER RECLAMATION PLANT</u>	Latitude: <u>33 13 43.43</u>	Facility ID: <u>18583</u>
Contact: <u>Gary Larsen</u>	Longitude: <u>111 33 40.83</u>	ADEQ Permit Number: <u>29510</u>
Address: <u>38539 N. Gantzel Road</u>	Section: <u>29</u>	Lab ID: <u>AZ 0004</u>
	Township: <u>3</u>	Lab Name: <u>Legend</u>
	Range: <u>8</u>	Date Prepared: _____
<u>QUEEN CREEK, AZ. 85242</u>	Quarter: <u>b c b</u>	Reporting Period: <u>1st Qtr 2005</u>

Monitoring Point ID: 21992 Monitoring Name: PECAN WRP - FACILITY INSPECTION

Sampling/Reporting Frequencies: Daily Monitoring/QUARTERLY

STORET: 00070 Permit Limit: AL: RSVD DL: 5 AQL: N/A MIN: \_\_\_\_\_ MAX: \_\_\_\_\_

**TURBIDITY**

Method: METER

Units: NTU

ANALYZED	RESULTS	ANALYZED	RESULTS	ANALYZED	RESULTS
01/01/05		02/01/05	0.70	03/01/05	1.10
01/02/05		02/02/05	1.10	03/02/05	1.30
01/03/05		02/03/05	2.30	03/03/05	1.50
01/04/05		02/04/05	3.40	03/04/05	7.6*
01/05/05		02/05/05	4.30	03/05/05	10*
01/06/05		02/06/05	6.3*	03/06/05	1.30
01/07/05		02/07/05	1.60	03/07/05	0.90
01/08/05		02/08/05	1.70	03/08/05	5.4*
01/09/05		02/09/05	1.70	03/09/05	1.10
01/10/05		02/10/05	1.60	03/10/05	0.70
01/11/05		02/11/05	1.40	03/11/05	1.50
01/12/05		02/12/05	1.40	03/12/05	1.20
01/13/05		02/13/05		03/13/05	1.20
01/14/05		02/14/05		03/14/05	0.80
01/15/04		02/15/05	1.70	03/15/05	0.80
01/16/05		02/16/05	1.50	03/16/05	0.60
01/17/05		02/17/05	1.70	03/17/05	out of service
01/18/05		02/18/05	1.20	03/18/05	0.50
01/19/05		02/19/05	1.20	03/19/05	out of service
01/20/05		02/20/05	1.20	03/20/05	
01/21/05		02/21/05	1.10	03/21/05	
01/22/05		02/22/05	1.10	03/22/05	1.10
01/23/05	1.50	02/23/05	1.10	03/23/05	1.10
01/24/05	1.50	02/24/05	1.20	03/24/05	out of service
01/25/05	1.00	02/25/05	3.70	03/25/05	1.09
01/26/05	1.50	02/26/05	1.20	03/26/05	
01/27/05	1.50	02/27/05	1.20	03/27/05	
01/28/05	1.00	02/28/05	1.10	03/28/05	0.40
01/29/05	1.50			03/29/05	0.40
01/30/05	1.50			03/30/05	0.40
01/31/05	1.50			03/31/05	0.50

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINES AND IMPRISONMENT.

SIGNATURE OF PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT \_\_\_\_\_ DATE \_\_\_\_\_

\* Unit calibration value



# SELF MONITORING REPORT FORM

## ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY

Facility Name: PECAN WATER RECLAMATION PLANT Latitude: 33 13 43.43 Facility ID: 18583  
 Contact: Gary Larsen Longitude: 111 33 40.83 ADEQ Permit Number: 29510  
 Address: 38539 N. Gantzel Road Section: 29 Lab ID: AZ 0004  
 \_\_\_\_\_ Township: 3 Lab Name: Legend  
 \_\_\_\_\_ Range: 8 Date Prepared: 04-07-05  
QUEEN CREEK, AZ. 85242 Quarter: b c b Reporting Period: 1st Qtr 2005

Monitoring Point ID: 21992 Monitoring Name: PECAN WRP - EFFLUENT PUMP STATION  
 Sampling/Reporting Frequencies: Daily Monitoring/QUARTERLY  
 STORET: 74057 Permit Limit: AL: RSVD DL: 23 AQL: N/A MIN: \_\_\_\_\_ MAX: \_\_\_\_\_  
 FECAL COLIFORM Method: SM9222D Units: \_\_\_\_\_

DATE	RESULTS	DATE	RESULTS	DATE	RESULTS
01/01/05	<2	02/01/05	<1	03/01/05	<1
01/02/05		02/02/05	<1	03/02/05	<1
01/03/05	<2	02/03/05	<1	03/03/05	<1
01/04/05	2	02/04/05	<1	03/04/05	<1
01/05/05	<2	02/05/05		03/05/05	<1
01/06/05	<2	02/06/05		03/06/05	
01/07/05	<2	02/07/05	<1	03/07/05	<1
01/08/05	<2	02/08/05	<1	03/08/05	<1
01/09/05		02/09/05	<1	03/09/05	<1
01/10/05	<2	02/10/05	<1	03/10/05	<1
01/11/05	2	02/11/05	<1	03/11/05	<1
01/12/05	<2	02/12/05		03/12/05	
01/13/05	<2	02/13/05		03/13/05	
01/14/05	<2	02/14/05	<1	03/14/05	<1
01/15/04	<2	02/15/05	<1	03/15/05	<1
01/16/05		02/16/05	<1	03/16/05	<1
01/17/05	<2	02/17/05	<1	03/17/05	<1
01/18/05		02/18/05	<1	03/18/05	<1
01/19/05		02/19/05		03/19/05	
01/20/05	<2	02/20/05		03/20/05	
01/21/05	<1	02/21/05	3	03/21/05	<1
01/22/05	<1	02/22/05	<1	03/22/05	<1
01/23/05		02/23/05	<1	03/23/05	<1
01/24/05	<1	02/24/05	3	03/24/05	<1
01/25/05	<1	02/25/05	<1	03/25/05	<1
01/26/05	<1	02/26/05	<1	03/26/05	
01/27/05	<1	02/27/05	1	03/27/05	
01/28/05	<1	02/28/05	1	03/28/05	<1
01/29/05				03/29/05	<1
01/30/05				03/30/05	<1
01/31/05	<1			03/31/05	<1

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINES AND IMPRISONMENT.  
 SIGNATURE OF PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT Thomas Moulton DATE 04-07-05

# SELF MONITORING REPORT FORM

## ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY

Facility Name: <u>PECAN WATER RECLAMATION PLANT</u>	Latitude: <u>33 13 43.43</u>	Facility ID: <u>18583</u>
Contact: <u>Gary Larsen</u>	Longitude: <u>111 33 40.83</u>	ADEQ Permit Number: <u>29510</u>
Address: <u>38539 N. Gantzel Road</u>	Section: <u>29</u>	Lab ID: <u>AZ 0004</u>
	Township: <u>3</u>	Lab Name: <u>Legend</u>
	Range: <u>8</u>	Date Prepared: <u>04-07-05</u>
<u>QUEEN CREEK, AZ. 85242</u>	Quarter: <u>b c b</u>	Reporting Period: <u>1st Qtr 2005</u>

Monitoring Point ID: 21992 Monitoring Name: PECAN WRP - EFFLUENT PUMP STATION

Sampling/Reporting Frequencies: Daily Monitoring/QUARTERLY

STORET: FC4-7 Permit Limit: AL: RSVD DL: 0 AQL: N/A Min:  MAX:

FECAL COLIFORM 4 OF 7 SAMPLES

Method:  Units: CFU

DATE	RESULTS	DATE	RESULTS	DATE	RESULTS
01/01/05	YES	02/01/05	YES	03/01/05	YES
01/02/05	YES	02/02/05	YES	03/02/05	YES
01/03/05	YES	02/03/05	YES	03/03/05	YES
01/04/05	YES	02/04/05	YES	03/04/05	YES
01/05/05	YES	02/05/05		03/05/05	YES
01/06/05	YES	02/06/05		03/06/05	
01/07/05	YES	02/07/05	YES	03/07/05	YES
01/08/05	YES	02/08/05	YES	03/08/05	YES
01/09/05	YES	02/09/05	YES	03/09/05	YES
01/10/05	YES	02/10/05	YES	03/10/05	YES
01/11/05	YES	02/11/05	YES	03/11/05	YES
01/12/05	YES	02/12/05		03/12/05	
01/13/05	YES	02/13/05		03/13/05	
01/14/05	YES	02/14/05	YES	03/14/05	YES
01/15/04	YES	02/15/05	YES	03/15/05	YES
01/16/05	YES	02/16/05	YES	03/16/05	YES
01/17/05	YES	02/17/05	YES	03/17/05	YES
01/18/05	YES	02/18/05	YES	03/18/05	YES
01/19/05	YES	02/19/05		03/19/05	
01/20/05	YES	02/20/05		03/20/05	
01/21/05	YES	02/21/05	YES	03/21/05	YES
01/22/05	YES	02/22/05	YES	03/22/05	YES
01/23/05	YES	02/23/05	YES	03/23/05	YES
01/24/05	YES	02/24/05	YES	03/24/05	YES
01/25/05	YES	02/25/05	YES	03/25/05	YES
01/26/05	YES	02/26/05	YES	03/26/05	
01/27/05	YES	02/27/05	YES	03/27/05	
01/28/05		02/28/05	YES	03/28/05	YES
01/29/05				03/29/05	YES
01/30/05	YES			03/30/05	YES
01/31/05				03/31/05	YES

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINES AND IMPRISONMENT.

SIGNATURE OF PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT Thomas Moulton DATE 04-07-05



To: Bill Hare  
ADEQ  
1110 W. Washington  
Phoenix, AZ 85007

Date: May 6, 2005

Job No.: \_\_\_\_\_

Drawing/Spec Reference: \_\_\_\_\_

Re: Pecan WRP NOV Case #: 34567

We Transmit: ☐ Herewith ☐ Under Separate Cover ☐ Via \_\_\_\_\_

**Material Format**

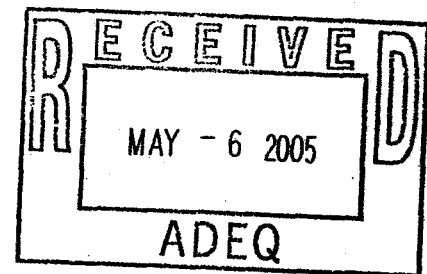
**Requested Action**

- |                                  |  |
|----------------------------------|--|
| <input type="checkbox"/> Letter  | <input type="checkbox"/> Shop Drawings         |
| <input type="checkbox"/> Memo    | <input type="checkbox"/> Clarification Drawing |
| <input type="checkbox"/> Prints  | <input type="checkbox"/> Modification Drawing  |
| <input type="checkbox"/> Sketch  | <input type="checkbox"/> Specifications        |
| <input type="checkbox"/> Reports | <input type="checkbox"/> Sepias                |
| <input type="checkbox"/> Mylars  | <input type="checkbox"/> _____                 |

- |   |
|---|
| <input type="checkbox"/> For Your Approval  |
| <input type="checkbox"/> For Your Signature |
| <input type="checkbox"/> Information        |
| <input type="checkbox"/> Resubmit           |
| <input type="checkbox"/> As Requested       |
| <input type="checkbox"/> Issue Change Order |

- |   |
|---|
| <input type="checkbox"/> Your Review              |
| <input type="checkbox"/> Please Comment           |
| <input type="checkbox"/> Make Recommendation      |
| <input type="checkbox"/> Issue Construction Order |
| <input type="checkbox"/> For Your Use             |
| <input type="checkbox"/> _____                    |

Remarks:



Copies To: \_\_\_\_\_

Signed: \_\_\_\_\_

Gregory H. Brown

Received By: \_\_\_\_\_

Date: 5/6/05



Janet Napolitano  
Governor

# ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY

1110 West Washington Street • Phoenix, Arizona 85007  
(602) 771-2300 • www.azdeq.gov



Stephen A. Owens  
Director

Ref: #FS05-595  
May 16, 2005

Case No. 34567

Brian Tompsett, Vice President  
Johnson Utilities Company  
5230 E. Shea Blvd., Suite 200  
Scottsdale, AZ 85254

Subject: Closure of the April 28, 2005 Notice of Violation

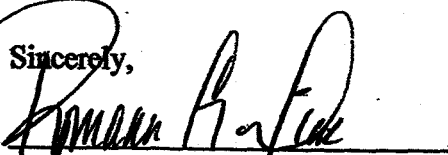
Dear Mrs. Tompsett:

The Arizona Department of Environmental Quality (ADEQ) has closed the Notice of Violation (NOV) issued to Johnson Utilities Company on April 28, 2005. ADEQ has closed the NOV based upon its determination that Johnson Utilities Company has met the *Documenting Compliance* provisions of the NOV.

ADEQ will not proceed with further action at this time. However, if additional information regarding the alleged violations is discovered, or if further violations occur, ADEQ may reconsider its position and take additional action as appropriate and as allowed by law.

Thank you for your efforts to comply with the Arizona's environmental requirements. Should you have any comments or questions regarding this matter, please do not hesitate to contact me at 602 771-4841.

Sincerely,

  
Romann G. Diaz, Manager  
Water Quality Field Services Unit

cc: Vivian Burns, Program and Project Specialist

Northern Regional Office  
1515 East Cedar Avenue • Suite F • Flagstaff, AZ 86004  
(928) 779-0313

Southern Regional Office  
400 West Congress Street • Suite 433 • Tucson, AZ 85701  
(520) 628-6733

# **Attachment 4**

# ***JOHNSON UTILITIES COMPANY L.L.C***

5230 East Shea Boulevard \* Scottsdale, Arizona 85254

PH: (480) 998-3300; FAX: (480) 483-7908

January 19, 2005

William J. Hare  
Water Quality Field Service Compliance Unit, MC 5415B-1  
Arizona Department of Environmental Quality  
1110 W. Washington Street  
Phoenix, AZ 85007

RE: Notice of Violation, Case ID #: 33138

Dear Mr. Hare:

On January 3, 2005, the Arizona Department of Environmental Quality (ADEQ) issued Johnson International a Notice of Violation for exceeding the single sample maximum fecal coliform and the limit for the four out of seven samples during the 3<sup>rd</sup> quarter at the Section 11 Wastewater Treatment Plant, APP P-103081. In accordance with the Part II, Documenting Compliance, Johnson Utilities Company (JUC) is submitting results of the investigative inquiry regarding the cause of the fecal coliform exceedances and the most recent results of effluent sampling.

On September 10, 2004, JUC issued a letter of explanation to ADEQ for previous fecal coliform violations in the 2<sup>nd</sup> quarter. JUC cited operational difficulties and provided intervention and preventative measures to correct the problem. Attached are copies of the 2004 4<sup>th</sup> quarter Self Monitoring Report Forms (SMRFs) for the single sample maximum and the four out of seven samples for fecal coliform for the Section 11 Wastewater Treatment Plant (named MGD Precision Golf Course WWTP on the SMRFs). The results show no exceedances of the four out of seven sample limits and 6 exceedances of the single sample maximum where the results are 1.2 times the discharge limit. These results demonstrate compliance within ADEQ's technical review criteria. JUC is pleased to report that compliance has been achieved by the measures implemented.

If you have any questions or comments, please contact me at 480 998-3300.

Sincerely,



Brian Tompsett

Vice President

Johnson Utilities Company

# SELF MONITORING REPORT FORM

## ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY

Facility Name: MGD-PRECISION GOLF COURSE WWTP Latitude: 33 11 44.9999 Facility ID: 142  
 Contact: \* JOHNSON, GEORGE Longitude: 111 33 29.9999 ADEQ Permit Number: 24069  
 Address: \_\_\_\_\_ Section: 18 Lab ID: AZ0003  
 \_\_\_\_\_ Township: 3 Lab Name: Aquatic  
 \_\_\_\_\_ Range: 8 Date Prepared: 01-15-04  
 \_\_\_\_\_ Quarter: a Reporting Period: 4th QTR 2004

Monitoring Point ID: 12392 Monitoring Name: JOHNSON RANCH - WWTP - EFFLUENT PUMP STATION

Sampling/Reporting Frequencies: Daily Monitoring/QUARTERLY

STORET: 74055 Permit Limit: AL: RSVD DL: 800 AQL: N/A MIN: \_\_\_\_\_ MAX: \_\_\_\_\_  
 FECAL COLIFORM (CFU) Method: \_\_\_\_\_ Units: CFU

ANALYZED	RESULTS	ANALYZED	RESULTS	ANALYZED	RESULTS
01 10/01/04	L2	01 11/01/04	L2	01 12/01/04	L2
02 11/1	71600	02 11/1	L2	02 11/1	L2
03 11/1	—	03 11/1	L2	03 11/1	L2
04 11/1	L2	04 11/1	71600	04 11/1	L2
05 11/1	L2	05 11/1	L2	05 11/1	L2
06 11/1	L2	06 11/1	L2	06 11/1	L2
07 11/1	L2	07 11/1	—	07 11/1	L2
08 11/1	L2	08 11/1	L2	08 11/1	L2
09 11/1	71600	09 11/1	L2	09 11/1	L2
10 11/1	—	10 11/1	L2	10 11/1	L2
11 11/1	L2	11 11/1	L2	11 11/1	L2
12 11/1	L2	12 11/1	L2	12 11/1	L2
13 11/1	L2	13 11/1	71600	13 11/1	L2
14 11/1	L2	14 11/1	—	14 11/1	L2
15 11/1	L2	15 11/1	L2	15 11/1	L2
16 11/1	L2	16 11/1	L2	16 11/1	L2
17 11/1	—	17 11/1	L2	17 11/1	L2
18 11/1	L2	18 11/1	L2	18 11/1	L2
19 11/1	L2	19 11/1	L2	19 11/1	L2
20 11/1	L2	20 11/1	L2	20 11/1	L2
21 11/1	L2	21 11/1	L2	21 11/1	L2
22 11/1	L2	22 11/1	71600	22 11/1	L2
23 11/1	L2	23 11/1	71600	23 11/1	L2
24 11/1	—	24 11/1	L2	24 11/1	L2
25 11/1	L2	25 11/1	L2	25 11/1	L2
26 11/1	L2	26 11/1	900	26 11/1	L2
27 11/1	L2	27 11/1	30	27 11/1	L2
28 11/1	L2	28 11/1	—	28 11/1	L2
29 11/1	L2	29 11/1	L2	29 11/1	L2
30 11/1	L2	30 11/30/04	L2	30 11/1	L2
31 10/31/04	—	31 11/1	L2	31 12/31/04	L2

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN  
 AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE  
 SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING  
 FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINES AND IMPRISONMENT.  
 SIGNATURE OF PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT George Johnson DATE 1-15-05

SELF MONITORING REPORT FORM  
ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY

Name: MGD PRECISION GOLF COURSE WWTP Latitude: 33 11 44.9999 Facility ID: 142  
Contact: JOHNSON, GEORGE Longitude: 111 33 29.9999 ADEQ Permit Number: 24069  
Address: Section: 18 Lab ID: AZ 0003  
Township: 3 Lab Name: Aquatic  
Range: 8 Reporting Period: 4<sup>th</sup> Qtr 2005  
Quarter: a Date Prepared: 1-15-05

Monitoring Point ID: 12392 Monitoring Name: JOHNSON RANCH - WWTP - EFFLUENT PUMP STATION

Sampling/Reporting Frequencies: Weekly Monitoring/QUARTERLY

STORET: FC47 Permit Limit: AL: RSVD DL: 200 AQL: N/A MIN: MAX:  
Chemical: FECAL COLIFORM 4 OF 7 SAMPLES Method: Units: CFU

Sample Date	Analysis Date	Result	Comments
10/01/04	01/15/05	1300	
10/08/04	01/15/05	1300	
10/15/04	01/15/05	1300	
10/22/04	01/15/05	1300	
10/29/04	01/15/05	1300	
11/05/04	01/15/05	1300	
11/12/04	01/15/05	1300	
11/19/04	01/15/05	1300	
11/26/04	01/15/05	1300	
12/04/04	01/15/05	1300	
12/11/04	01/15/05	1300	
12/18/04	01/15/05	1300	
12/25/04	01/15/05	1300	

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINES AND IMPRISONMENT.  
SIGNATURE OF PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT Thomas Noelke DATE 1-15-05



MAR 18 2005



Janet Napolitano  
Governor

ARIZONA DEPARTMENT  
OF  
ENVIRONMENTAL QUALITY

1110 West Washington Street • Phoenix, Arizona 85007  
(602) 771-2300 • www.azdeq.gov



Stephen A. Owens  
Director

March 15, 2005  
Ref: #FS05-512

Case ID # 33138

Mr. Brian Tompsett, Vice President  
Johnson Utilities Company  
5230 East Shea Blvd.  
Scottsdale, Arizona 85254

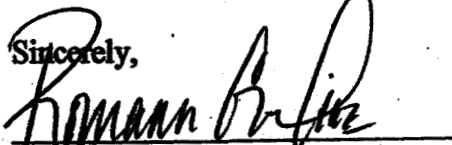
Subject: Closure of the January 3, 2005 Notice of Violation

Dear Sir:

The Arizona Department of Environmental Quality (ADEQ) has closed the Notice of Violation (NOV) issued to the Johnson Utilities on January 3, 2005. ADEQ has closed the NOV based upon its determination that Johnson Utilities has met the *Documenting Compliance* provisions of the NOV.

ADEQ will not proceed with further action at this time. However, if additional information regarding the alleged violations is discovered, or if further violations occur, ADEQ may reconsider its position and take additional action as appropriate and as allowed by law.

Thank you for your efforts to comply with the Arizona's environmental requirements. Should you have any comments or questions regarding this matter, please do not hesitate to contact me at 602 771 4841.

Sincerely,  
  
Romann G. Diaz, Manager  
Water Quality Field Services Unit

cc: Pinal County Health Department  
Vivian Burns, Program and Project Specialist

Northern Regional Office  
1515 East Cedar Avenue • Suite F • Flagstaff, AZ 86004  
(928) 779-0313

Southern Regional Office  
400 West Congress Street • Suite 433 • Tucson, AZ 85701  
(520) 628-6733

# **Attachment 5**



To: Data Unit, Mail Code 5415B-1  
Water Quality Compliance Section  
ADEQ  
Phoenix, AZ 85007

Date: April 8, 2005

Job No.: \_\_\_\_\_

Drawing/Spec Reference: \_\_\_\_\_

RE: Pecan WRP. APP P-105324, 1<sup>st</sup> Quarter 2005 SMRFs

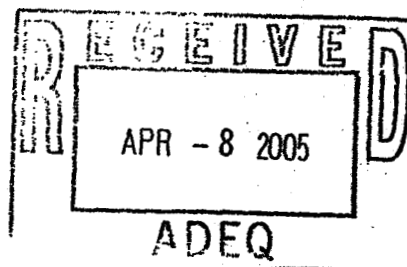
We Transmit: ☐ Herewith ☐ Under Separate Cover ☐ Via \_\_\_\_\_

**Material Format**

**Requested Action**

- |                                  |  |   |   |
|----------------------------------|--|---|---|
| <input type="checkbox"/> Letter  | <input type="checkbox"/> Shop Drawings         | <input type="checkbox"/> For Your Approval  | <input type="checkbox"/> Your Review              |
| <input type="checkbox"/> Memo    | <input type="checkbox"/> Clarification Drawing | <input type="checkbox"/> For Your Signature | <input type="checkbox"/> Please Comment           |
| <input type="checkbox"/> Prints  | <input type="checkbox"/> Modification Drawing  | <input type="checkbox"/> Information        | <input type="checkbox"/> Make Recommendation      |
| <input type="checkbox"/> Sketch  | <input type="checkbox"/> Specifications        | <input type="checkbox"/> Resubmit           | <input type="checkbox"/> Issue Construction Order |
| <input type="checkbox"/> Reports | <input type="checkbox"/> Sepias                | <input type="checkbox"/> As Requested       | <input type="checkbox"/> For Your Use             |
| <input type="checkbox"/> Mylars  | <input type="checkbox"/> _____                 | <input type="checkbox"/> Issue Change Order | <input type="checkbox"/> _____                    |

Remarks: Attached are the 1<sup>st</sup> Quarter 2005 SMRFs for the Pecan Wastewater Reclamation Plant, APP P-105324.



Copies To: \_\_\_\_\_

Signed: \_\_\_\_\_

Gregory H. Brown

Received By: \_\_\_\_\_

Date: 4/8/05



To: Data Unit, Mail Code 5415B-1  
Water Quality Compliance Section  
ADEQ  
Phoenix, AZ 85007

Date: April 8, 2005

Job No.: \_\_\_\_\_

Drawing/Spec Reference: \_\_\_\_\_

RE: Section 11 WWTP. APP P-103081, 1<sup>st</sup> Quarter 2005 SMRFs

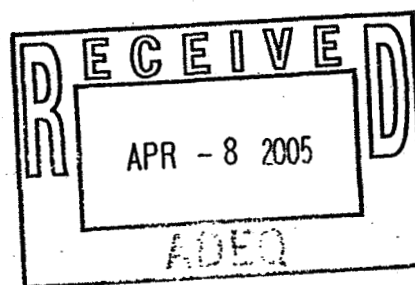
We Transmit: ☐ Herewith ☐ Under Separate Cover ☐ Via \_\_\_\_\_

**Material Format**

**Requested Action**

- |                                  |  |   |   |
|----------------------------------|--|---|---|
| <input type="checkbox"/> Letter  | <input type="checkbox"/> Shop Drawings         | <input type="checkbox"/> For Your Approval  | <input type="checkbox"/> Your Review              |
| <input type="checkbox"/> Memo    | <input type="checkbox"/> Clarification Drawing | <input type="checkbox"/> For Your Signature | <input type="checkbox"/> Please Comment           |
| <input type="checkbox"/> Prints  | <input type="checkbox"/> Modification Drawing  | <input type="checkbox"/> Information        | <input type="checkbox"/> Make Recommendation      |
| <input type="checkbox"/> Sketch  | <input type="checkbox"/> Specifications        | <input type="checkbox"/> Resubmit           | <input type="checkbox"/> Issue Construction Order |
| <input type="checkbox"/> Reports | <input type="checkbox"/> Sepias                | <input type="checkbox"/> As Requested       | <input type="checkbox"/> For Your Use             |
| <input type="checkbox"/> Mylars  | <input type="checkbox"/> _____                 | <input type="checkbox"/> Issue Change Order | <input type="checkbox"/> _____                    |

Remarks: Attached are the 1<sup>st</sup> Quarter 2005 SMRFs for the Section 11 Wastewater Treatment Plant, APP P-103081.



Copies To: \_\_\_\_\_

Signed: \_\_\_\_\_

Gregory H. Brown

Received By: \_\_\_\_\_

Date: 4/8/05

# **Attachment 6**



To: Fred Vakili  
ADEQ, Mailcode: 5415B-1  
1110 W. Washington  
Phoenix, AZ 85007

Date: May 12, 2005

Job No.: \_\_\_\_\_

Drawing/Spec Reference: \_\_\_\_\_

Re: Pecan WRP and Section 11 1<sup>st</sup> quarter SMRF

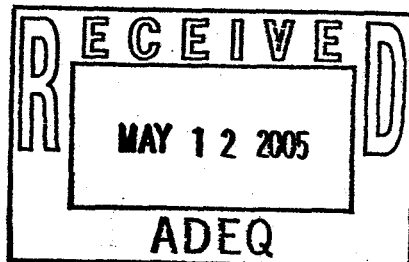
We Transmit: ☐ Herewith ☐ Under Separate Cover ☐ Via \_\_\_\_\_

**Material Format**

**Requested Action**

- |                                  |  |   |   |
|----------------------------------|--|---|---|
| <input type="checkbox"/> Letter  | <input type="checkbox"/> Shop Drawings         | <input type="checkbox"/> For Your Approval  | <input type="checkbox"/> Your Review              |
| <input type="checkbox"/> Memo    | <input type="checkbox"/> Clarification Drawing | <input type="checkbox"/> For Your Signature | <input type="checkbox"/> Please Comment           |
| <input type="checkbox"/> Prints  | <input type="checkbox"/> Modification Drawing  | <input type="checkbox"/> Information        | <input type="checkbox"/> Make Recommendation      |
| <input type="checkbox"/> Sketch  | <input type="checkbox"/> Specifications        | <input type="checkbox"/> Resubmit           | <input type="checkbox"/> Issue Construction Order |
| <input type="checkbox"/> Reports | <input type="checkbox"/> Sepias                | <input type="checkbox"/> As Requested       | <input type="checkbox"/> For Your Use             |
| <input type="checkbox"/> Mylars  | <input type="checkbox"/> _____                 | <input type="checkbox"/> Issue Change Order | <input type="checkbox"/> _____                    |

Remarks:



Copies To: \_\_\_\_\_

Signed: \_\_\_\_\_

Gregory H. Brown

Received By: \_\_\_\_\_

Date: 5/12/05